

Recombinant Human SLC28A2 293 Cell Lysate

Cat. No. SLC28A2-1745HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 28 (sodium-coupled nucleoside transporter), member 2 (SLC28A2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	SLC28A2 solute carrier family 28 (sodium-coupled nucleoside transporter), member 2 [Homo sapiens]
Official Symbol	SLC28A2
Synonyms	SLC28A2; solute carrier family 28 (sodium-coupled nucleoside transporter), member 2; sodium/nucleoside cotransporter 2; CNT2; HCNT2; HsT17153; SPNT1; SPNT; CNT 2; Na(+)/nucleoside cotransporter 2; solute carrier family 28 member 2; concentrative nucleoside transporter 2; sodium-coupled nucleoside transporter 2; sodium/purine nucleoside co-transporter; FLJ21468; MGC138252;
Gene ID	9153
mRNA Refseq	NM_004212
Protein Refseq	NP_004203
MIM	606208
UniProt ID	O43868
Chromosome Location	15q15
Pathway	SLC-mediated transmembrane transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of nucleosides and free purine and pyrimidine bases across the plasma membrane,

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organism-specific biosystem; Transport of vitamins, nucleosides, and related molecules, organism-specific biosystem;

Function

nucleoside binding; nucleoside:sodium symporter activity; purine nucleoside transmembrane transporter activity;

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